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(54) **SEALING SYSTEM FOR ACOUSTIC WAVE TOUCHSCREENS**

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(58) Field of Search ..... **277/628, 637, 277/639, 650; 345/177; 178/18; 359/513**

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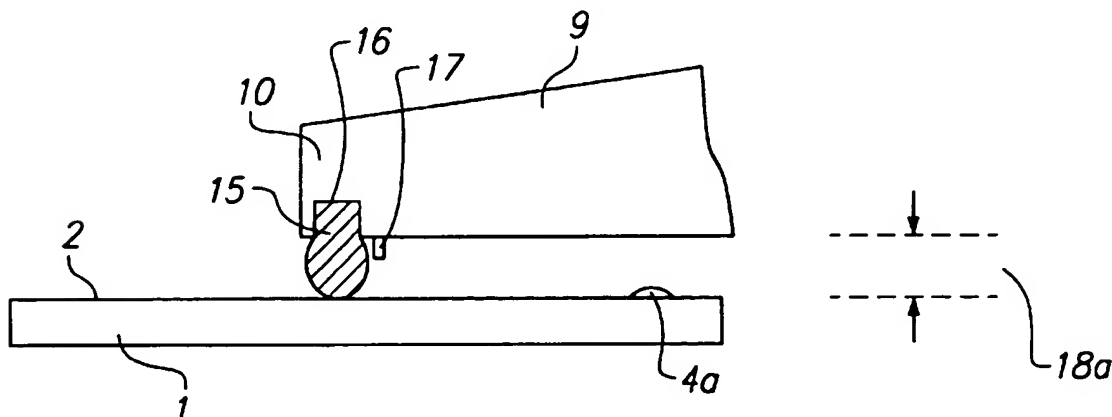
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(57) **ABSTRACT**

A sealing system for an acoustic touchscreen includes an elongate gel body between the touchscreen and the bezel of a housing onto which the touchscreen is mounted. The elongate gel body forms a seal around the perimeter of the touch-sensitive area of the touchscreen. A stop element controls and limits the amount of compression of the elongate gel body. The resulting seal is highly effective in protecting the unexposed parts of the touchscreen (i.e., areas other than the touch-sensitive area) from contaminants, especially liquid contaminants, at the cost of an acceptably low loss in acoustic signal strength.

**22 Claims, 4 Drawing Sheets**



10, 613, 344